

ANNUAL REPORT

TO THE

RURAL DISTRICT COUNCIL

OF

GLANFORD

BRIGG,

FOR THE

YEAR ENDING DECEMBER 31ST, 1906,

BY

GODFREY GOODMAN,

MEDICAL OFFICER OF HEALTH.

BRIGG:

J. ASHTON & SONS, PRINTERS, WRAWBY STREET.

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TO THE

CHAIRMAN AND MEMBERS

OF THE

RURAL DISTRICT COUNCIL

OF THE

GLANFORD BRIGG UNION.

FEBRUARY, 1907.

LADIES AND GENTLEMEN,

I beg to present my Report for the year ending December 31st, 1906.

The number of births registered during the year, in the whole District was 727; males 370, females 357. This is 39 above last year's total. It is a record for the District. Births

The birth-rate was 30·0 per 1,000. The average birth-rate for the District is 28·3 per 1,000. Birth-rate

The births were distributed as follows :—

	<i>Males</i>		<i>Females</i>		<i>Total</i>
Brigg Sub-District	107	....	95	....	202
Barton Sub-District ...	103	....	111	...	214
Winterton Sub-District	160	....	151	....	311
	<hr/>		<hr/>		<hr/>
	370		357		727

On comparing with last year's totals, we find that in the Brigg Sub-District, there was a decrease of 25.

In the Barton Sub-District, an increase of 27.

In the Winterton Sub-District, an increase of 39.

THE BIRTH-RATE IN THE SUB-DISTRICTS:—

Brigg Sub-District	....	....	26'0 per 1,000
Barton Sub-District	....	....	25'0 per 1,000
Winterton Sub-District	....	....	41'0 per 1,000

In my Report for last year, I pointed out that the birth-rate in the Barton Sub-District had been gradually decreasing, until it had reached the very low figure of 21'8 per 1,000. The rise to 25'0 per 1,000 is therefore satisfactory.

The birth-rate in the Winterton Sub-District 41'0 per 1,000 is the highest on record. The number of births 311 is the largest number on record. The increase in the number of births, is partly accounted for by the increase in the population of Crosby and Ashby, where building operations have been carried on to a large extent during the last two years.

In the following table will be found a classification of the births in the whole and each of the Sub-Districts, for the last ten years.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE SUB-DISTRICT.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
1897	106	94	200	127	119	246	98	98	196	331	311	642
1898	120	103	223	118	104	222	144	118	262	382	325	707
1899	104	100	204	130	115	245	114	99	213	348	314	662
1900	99	92	191	113	100	213	113	100	213	325	292	617
1901	97	97	194	121	101	222	121	102	223	339	300	639
1902	136	103	239	110	116	226	126	91	217	372	310	682
1903	100	86	186	104	104	208	136	114	250	340	304	644
1904	103	110	213	96	91	187	139	138	277	338	339	677
1905	112	115	227	88	99	187	136	138	274	336	352	688
1906	107	95	202	103	111	214	160	151	311	370	357	727
	1084	995	2079	1110	1060	2170	1287	1149	2436	3481	3204	6685

The number of deaths registered in the whole District, was 320 ; males 167, females 153. This is eleven less than last year's total. Deaths

The death-rate was 13·4 per 1,000. The average for the District is 14·0 per 1,000. Death-rate
Whole District

The deaths were distributed as follows :—

		<i>Males</i>		<i>Females</i>		<i>Total</i>
Brigg Sub-District	....	41	....	42	....	83
Barton Sub-District	....	67	....	55	....	122
Winterton Sub-District	....	59	...	56	....	115
		167		153		320

The death-rate for the Sub-Districts was as follows :—

Brigg Sub-District	....	....	10·7 per 1,000
Barton Sub-District	....	...	14·2 per 1,000
Winterton Sub-District	....	....	15·0 per 1,000

The death-rate in the Brigg Sub-District is the lowest recorded in any of the three Sub-Districts during the last ten years.

The following table contains a classification of the deaths which have occurred in the District during the last ten years.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE SUB-DISTRICT.		
	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>
1897	50	48	98	69	56	125	50	60	110	169	164	333
1898	73	77	150	66	51	117	65	65	130	204	193	397
1899	46	45	91	67	49	116	42	50	92	155	144	299
1900	61	66	127	57	74	131	70	55	125	188	195	383
1901	41	55	96	57	54	111	49	51	100	147	160	307
1902	57	44	101	57	65	122	50	58	108	164	167	331
1903	45	43	88	60	59	119	52	44	96	157	146	303
1904	57	50	107	50	53	103	54	49	103	161	152	313
1905	50	50	100	52	57	109	58	64	122	160	171	331
1906	41	42	83	67	55	122	59	56	115	167	153	320
	521	520	1041	602	573	1175	549	552	1101	1672	1645	3317

DEATHS IN CHILDREN UNDER ONE YEAR.

The number of deaths in children under one year, which occurred in the whole District, was 64 ; males 38, females 26.

The Infant death-rate was 88 per 1,000 births.

This is the lowest Infant death-rate recorded for the District. The rate for last year was 90. The average for the last ten years is 116.

The marked reduction in the Infant mortality during the last two years, is most satisfactory.

The deaths were distributed as follows :—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Brigg Sub-District	7	6	13
Barton Sub-District ...	13	8	21
Winterton Sub-District	18	12	30
	<hr/> 38	<hr/> 26	<hr/> 64

Cause of Death :—

Marasmus (wasting) ....	....	....	17
Premature Birth	....	....	11
Pneumonia ....	....	....	6
Bronchitis ....	....	....	5
Convulsions ....	....	....	7
Overlaid ....	....	....	2
Diarrhœa ....	....	....	4
Whooping Cough ....	....	....	3
Measles ....	....	....	1
Other causes ....	....	....	8
			<hr/> 64

Diseases under the Notification Act.

The number of cases notified under the Infectious Diseases Notification Act, was 94, made up as follows :—

Scarlet Fever ....	....	....	30
Diphtheria ....	....	....	29
Typhoid Fever ....	....	....	18
Erysipelas ....	....	....	14
Puerperal Fever ....	....	....	3
			<hr/> 94

This is another record for the District, the nearest approach to it being 129, in 1900.

The number of cases of Scarlet Fever notified, was 30. This is less than half of last year's total, which was the lowest figure previously recorded. Scarlet Fever

The number of deaths from this disease was 2.

The cases and deaths were distributed as follows :—

		<i>Cases</i>	<i>Deaths</i>
Brigg Sub-District	....	27	2
Barton Sub-District	....	2	0
Winterton Sub-District	....	1	0
		<hr/>	<hr/>
		30	2

The number of cases of Diphtheria notified, was 29. This is about the average. The number of deaths from this disease (4) is above the average. Diphtheria

Table of cases and deaths in the Sub-Districts :—

		<i>Cases</i>	<i>Deaths</i>
Brigg Sub-District	....	10	0
Barton Sub-District	....	2	1
Winterton Sub-District	....	17	3
		<hr/>	<hr/>
		29	4

The number of cases of Typhoid Fever notified, was 18. The number of deaths from this disease was 2. Typhoid Fever

Distribution of cases and deaths :—

		<i>Cases</i>	<i>Deaths</i>
Brigg Sub-District	....	1	1
Barton Sub-District	....	4	0
Winterton Sub-District	....	13	1
		<hr/>	<hr/>
		18	2

The majority of the cases occurred in the Winterton Sub-District. On November 13th, I received notice of five cases of Typhoid Fever in one family, living in a house at Burton Stather Brick-yard. On August 4th, a case of Typhoid occurred in this house. It was then found that the closets (ordinary ash) were situated under one of the sleeping rooms. An order was issued for their removal. New closets were erected at a suitable distance from the house. Endeavouring to trace the connection

between this case and the November outbreak, I discovered two probable sources of infection, first, when the new closets were erected, the boards from the old closets (which from information received, were contaminated, and should have been destroyed) were utilised in the new one. Secondly, the vessels (in which excreta from the sick room, had been carried to a safe distance from the house and buried) were, on return, rinsed at the pump, the contents being scattered on the ground, close to the well. The boards were removed and the well emptied. All the patients were removed to a temporary Hospital. Two trained nurses were supplied, and remained in attendance until the patients were convalescent.

One death occurred in the Hospital.

Erysipelas.

The number of cases of Erysipelas notified, was 14.

There was no death from this Disease.

Puerperal Fever.

Three cases of Puerperal Fever were notified.

The number of deaths from this Disease was 2.

TABLE OF DISEASES NOTIFIED, WITH DEATHS FOR THE LAST
TEN YEARS.

	Scarlet Fever		Diphtheria		Typhoid Fever		Erysipelas		Puerperal Fever		Small Pox	
	<i>Cases</i>	<i>Deaths</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>
1897	150	4	36	7	6	3	13	....	2	1	....	....
1898	135	2	10	0	34	3	16	1	2	2	....	....
1899	77	4	18	3	12	0	16	....	4	....	4	....
1900	73	5	24	6	10	1	11	....	1	....	10	2
1901	110	5	50	3	22	5	11	....	2	2	....	....
1902	146	3	9	3	10	1	17	....	1	....	....	....
1903	183	4	57	5	24	....	13	....	2	1	....	....
1904	93	1	57	3	4	....	14	1	1	....	....	....
1905	61	5	61	5	27	2	9	....	4	....	....	....
1906	30	2	29	4	18	2	14	....	3	2	....	....
	1058	35	349	39	167	17	134	2	22	8	14	2

Measles.

Commencing at New Holland, in July, Measles gradually spread through the district, reaching Ashby, in November, and Messingham in December. Owing to sudden and extensive outbreaks of this disease, it was found necessary to close the Schools in eight villages.

The number of deaths from this Disease was 3.

Whooping Cough.

There was no extensive outbreak of Whooping Cough during the year.

The number of deaths from it was 4. Three of these were in children under one year.

Phthisis.

The number of deaths from Phthisis was 24; males 10, females 14. Of these, 6 occurred in the Brigg Sub-District, 7 in the Barton, and 11 in the Winterton Sub-District. Last year the deaths were 24, males 11, females 13.

Cancer.

There were 20 deaths from Cancer, males 8, females 12. Last year the deaths were 25, males 10, females 15.

Accidental Deaths.

The number of accidental deaths recorded was 12. This is above the average. Two of these were in infants three months old, overlaid in bed, fortunately such cases are extremely rare in this district. Although I only quote from memory, I believe I am correct in stating, that only one similar case has been registered for the last eleven years.

The cause of death and ages :—

Males, aged 3 months, 2 overlaid in bed.

Male, 25 years, Railway Fireman, Head smashed through coming in contact with a Bridge.

Male, 58 years, Fall off a Stack.

Male, 30 years, Drowned.
 Male, 24 years, Drowned.
 Male, 20 years, Drowned.
 Female, 7 years, Gunshot.
 Male, 42 years, Fall.
 Male, 32 years, Fall.
 Male, 35 years, Run over by Traction Engine.
 Male, 48 years, Spine broken, by railway waggon door.

Summary of work done, during the year, and General
 Inspections, &c.

Public Sewers Improved	....	....	15
Private Sewers and Drains Improved	....	....	31
Water Supply (Private)	....	....	13
Piggeries Improved or Removed	....	....	11
Overcrowding	....	....	1
Other Nuisances	....	....	20
Plans Allowed (representing 113 houses)	....	....	30
Water Certificates granted (representing 92 houses)	....	....	40
Cowkeepers and Milksellers Registered	....	....	11
Other Cowsheds Inspected	....	....	20
Clerk's Orders, and Letters Served	....	....	90
Licences for Petrol and Carbide granted	....	....	8
Privies and Ash-pits Improved	....	....	42
Plans of New Streets	....	....	2
Yards, &c. Improved	....	....	12
Contravention of Bye-Laws	....	....	6
General Inspections	....	....	30

Public Sewers laid down :—

Worlabby 120 yards of 6 in. pipes.
 Flixborough 150 yards of 9 in. „
 Burton and Normanby, new and relaid 340 yards.
 South Killingholme 400 yards of 9 in. (part of 800 yards.)
 Ashby, Oxford Street, Relaid 150 yards.
 East Halton, 100 yards of 6 in. and 9 in.
 Crosby, two new streets, now being laid with 9 in. pipes.
 Bonby, commenced last year, completed.
 Kirton, only half-way done.

Health of the District.

The year ending December 31st, 1906, has been one of the healthiest ever experienced in the District. The number of cases notified under the Infectious Disease Notification Act, (94), was 35 below the previous record (that of 1900). The average for the District, (taking the last ten years) is 188. The number of cases of Scarlet Fever notified (30), was the lowest ever recorded. The nearest to it is that of last year, 61. The ten year average, is 119. This shows the great reduction which has taken place during the last two years. There was also a reduction in the number of cases of Diphtheria, and Typhoid Fever. The Birth rate, (30 per 1,000), is the highest recorded since 1895. The Death rate (13·4), is below the average; that for the Brigg Sub-District, (10·7), is the lowest on record. The Infant Death rate, 88 per 1,000 births, is another record; the ten year average is 116. With the exception of Measles, (which was prevalent to an unusual extent, and seriously affected the Education in many parts of the District,) the District was never so free from Infectious Disease.

Inspections, Sanitary Improvement, Sewers, etc.

In addition to the ordinary inspections made when visiting Infectious cases, alone, or in company with the Inspector, I have made several special inspections, in different parts of the District. Extensive Sanitary improvements have been carried out during the year. New Sewers have been laid down, and old ones taken up and relaid, (see Summary of Inspector's work). In a large number of cases, boxes or pans, have been substituted for ash-pits, principally in Barnetby, which has now a proper system for night soil collection. Extensive building has been carried on in that portion of Crosby, which borders on Scunthorpe.

A joint system of sewage disposal with Scunthorpe, is at present under discussion.

Table of rainfall as on all former occasions, has kindly been given to me by Mr. Alfred Atkinson, C.E., of Brigg.

I am, Gentlemen,

Your obedient Servant,

GODFREY GOODMAN,

*Medical Officer of Health to the
Rural District Council.*

Table I.—For Whole District.

Year.	Population estimated to middle of each year.	Births.		Deaths under 1 year of age.		Deaths at all ages. Total	
		Number.	Rate. *	Number.	Rate per 1,000 Births Registered.	Number.	Rate *
1896	23822	687	28.9	64	91	315	13.3
1897	...	642	26.9	83	127	333	14.6
1898	...	706	29.6	101	142	392	16.4
1899	...	662	27.7	93	140	399	12.5
1900	...	613	25.9	79	128	383	16.0
1901	...	639	26.6	72	113	307	12.9
1902	...	682	28.6	83	122	331	13.9
1903	...	644	27.0	73	112	303	12.7
1904	23824	677	28.0	79	117	313	13.1
1905	23830	688	28.8	63	90	331	13.9
Averages for years 1896-1905	23825	664	28.3	79	116	329	13.9
1906	23890	727	30.0	64	88	320	13.4

*Rates calculated per 1,000 of estimated population.

At Census of 1901 :—

Area of District in acres (exclusive of area covered by water 124157)

Total population at all ages 23823.

Number of inhabited houses 5548.

Average number of persons per house 4.3.

Table II.

Names of Localities	The whole District				Brigg Sub-District				Barton Sub-District				Winterton Sub-District			
	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year
1895	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1896	23822	687	315	64	...	...	...	...	...	...	...	...	...	...	...	...
1897	...	642	333	83	...	...	...	...	...	...	...	...	...	...	...	...
1898	...	706	392	101	...	...	...	...	...	...	...	...	...	...	...	...
1899	...	662	299	93	...	...	...	...	...	...	...	...	...	...	...	...
1900	...	613	383	79	7728	191	127	21	8568	213	131	20	7524	213	125	38
1901	...	639	307	72	...	194	96	26	...	222	111	27	7525	223	100	19
1902	...	682	331	83	...	239	101	22	...	226	122	30	...	217	108	31
1903	...	644	303	73	...	180	88	18	...	208	119	23	...	250	96	32
1904	23824	677	313	79	...	213	107	23	...	187	103	22	7528	227	103	34
1905	23825	688	331	63	...	227	100	17	...	187	109	12	7529	274	122	34
Averages for years 1896-1905	23823	664	329	79	7728	208	103	21	8568	208	113	22	7526	234	109	31
1906	23890	727	320	64	7728	202	83	13	8568	214	122	21	7594	311	115	30

Deaths occurring outside the division or district among persons belonging thereto } Not ascertained. Have no means of
Deaths occurring within the district among persons not belonging thereto ... } obtaining accurate returns.

There is no Public Institution in the District. The Union Workhouse is in the Urban District of Brigg.

Table III.—Cases of Infectious Disease notified during the year 1906.

Notifiable Disease.	Cases notified in whole district.						Total cases notified in each locality.			No. of cases removed to hospital from each locality.	
	At all ages.	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Brigg Sub-District	Barton Sub-District		Winterton Sub-District
Small-pox	None
Cholera ...	...	...	...	...	...	...	...	...	...	...
Diphtheria	29	...	9	14	4	2	...	10	2	17	
Membranous croup	...	...	...	...	...	...	...	...	...	...
Erysipelas	14	...	...	1	...	10	3	4	9	1
Scarlet fever	30	1	10	16	2	1	...	27	2	1	
Typhus fever	...	...	...	...	...	...	...	...	...	...
Enteric fever	18	...	...	8	6	4	...	1	4	13
Relapsing fever	...	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...	...
Puerperal fever	3	...	...	...	1	2	...	1	1	1
Plague ...	...	...	...	...	...	...	...	...	...	...
Totals	94	1	19	39	13	19	3	43	18	33	

Isolation Hospital near Goxhill.

Table IV.
Causes of, and ages at death during year 1906.

Causes of Deaths.	Deaths in whole district at subjoined ages.						
	At all ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Small-pox ...	...	...	...	...	...	...	...
Measles ...	3	1	1	1	...	...	...
Scarlet fever ...	2	...	1	1	...	...	...
Whooping cough ...	4	3	1	...	...	...	...
Diphtheria and mem- braneous croup ...	4	...	2	2	...	...	...
Croup ...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...
Enteric ...	2	...	...	...	1	1	...
Other continued ...	...	...	...	...	...	...	...
Epidemic Influenza ...	4	...	2	2	...	...	...
Cholera ...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...
Diarrhœa ...	5	4	1	...	...	...	...
Enteritis ...	4	1	1	...	...	2	...
Puerperal fever ...	2	...	...	...	1	1	...
Erysipelas ...	...	...	...	...	...	...	...
Other septic diseases ...	...	...	...	...	...	...	...
Phthisis ...	24	...	2	5	7	9	1
Other tubercular disease ...	...	...	...	...	...	...	...
Cancer, malignant disease ...	20	...	...	...	...	11	9
Bronchitis ...	18	5	1	...	...	2	10
Pneumonia ...	18	6	3	...	1	6	2
Pleurisy ...	...	...	...	...	...	...	...
Other diseases of respi- ratory organs ...	...	...	...	...	...	...	...
Alcoholism ...	1	...	...	...	1	...	...
Cirrhosis of liver ...	...	...	...	...	...	...	...
Venereal diseases ...	...	...	...	...	...	...	...
Premature birth ...	11	11	...	...	...	...	...
Diseases and accidents of parturition ...	1	...	...	...	...	1	...
Heart diseases ...	32	1	1	...	2	9	19
Accidents ...	12	2	...	1	2	7	...
Suicides ...	3	...	...	...	...	3	...
Old Age ...	51	...	...	...	...	...	51
All other causes ...	99	30	4	3	5	26	31
All causes ...	320	64	20	15	20	78	123

Table V.—Infantile Mortality during the year 1906.
Deaths from stated causes in weeks and months under one year of age.

Cause of Death		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total deaths under 1 year
All causes	Certified ...	14	8	3	2	27	3	3	2	7	5	...	8	2	..	5	2	64
	Uncertified ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases	Small-pox ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Chicken-pox ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
	Measles ...	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Scarlet Fever ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diphtheria: Croup ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrheal Diseases	Whooping Cough ...	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	3
	Diarrhœa, all forms ...	..	..	..	..	..	2	1	..	..	..	..	..	..	..	1	..	4
	Enteritis (<i>not Tuberculous</i>) ...	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
	Gastritis, Gastro-intestinal Catarrh ...	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
	Premature Birth ...	7	2	1	..	10	1	..	..	..	..	..	..	..	..	..	..	11
Wasting Diseases	Congenital Defects ...	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	2
	Injury at Birth ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Want of Breast-milk ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Atrophy, Debility, Marasmus ...	3	2	1	2	8	..	2	1	1	3	..	2	..	..	..	..	17
	Tuberculous Meningitis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Diseases	Tuberculous Peritonitis: Tabes Mesenterica ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other Tuberculous Diseases ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Erysipelas ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Syphilis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Rickets ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Meningitis (<i>not Tuberculous</i>) ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Convulsions ...	2	..	..	..	2	..	..	..	1	1	..	2	..	..	1	..	7
	Bronchitis ...	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	2	5
	Laryngitis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Pneumonia ...	1	..	..	..	1	..	..	..	1	1	..	2	..	..	1	..	6
	Suffocation, overlaying ...	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2
	Other causes ...	1	2	..	..	3	..	..	..	..	..	..	1	..	..	..	..	4
Totals ...		14	8	3	2	27	3	3	2	7	5	..	8	2	..	5	2	64

Population, (estimated to middle of 1906), 23,890.

Deaths—Legitimate 62. Illegitimate 2.

Births in the year 727. Illegitimate *

Deaths from all causes at all ages 320.

*Have no means of ascertaining the number of illegitimate births.

RAINFALL, 1906.

Month.	At Brigg		At Ferriby Sluice		At Caistor	
	Inches	Days	Inches	Days	Inches	Days
January	2·85	22	2·93	21	2·98	22
February	2·63	20	2·09	17	2·64	21
March	1·94	20	1·60	17	2·23	18
April	0·63	9	0·68	13	0·97	13
May	1·89	13	1·92	16	1·72	18
June	1·48	8	1·72	12	1·66	10
July	0·56	3	0·89	8	1·11	8
August... ..	1·24	13	1·85	17	2·04	10
September... ..	1·08	11	0·92	9	1·03	9
October	5·38	25	5·63	21	4·60	22
November	3·80	24	3·21	20	4·74	20
December	2·37	22	2·03	22	3·37	21
Total	25·85	190	25·47	193	29·09	192

The tables of Rainfall at Brigg and Ferriby Sluice are supplied by Mr. Alfred Atkinson, C.E., and those at Caistor by Mr. Ford.

